SERVICE MANUAL

SANYO

STEREO MUSIC SYSTEM

GXT4545HK

SPECIFICATIONS

AM TUNER SECTION

Frequency range	SW1 2.3~7MHz SW2 7~22MHz MW 530~1605KHz
Usable sensitivity (IHF)	500μV/m
Selectivity (IHF)	Better than 20dB
Signal to noise ratio	Better than 40dB
Tracking error	±30KHz

FM TUNER SECTION

Frequency range	88~108MHz
30dB S/N sensitivity	10μV
Limiting Sensitivity	18μV
Tracking error	±0.3MHz
Selectivity (IHF)	Better than 30dB
Signal to noise ratio	Better than 50dB (98MHz)
Harmonic distortion	Mono Less than 1.5% (100% mod.) Stereo Less than 3.0% (100% mod.)
Stereo separation	Better than 25dB at 1000Hz
Antenna impedance	300ohm Balanced type

AUDIO AMPLIFIER SECTION

Continuous power output (RMS) 1KHz, both channels driven at impedance 8ohm	7W+7W
Harmonic distortion	Less than 1% at rated power output
Frquency response at AUX input	70Hz~15KHz−3dB
Bass control	±8dB 100Hz
Treble control	±8dB 10KHz
Loudness control	+7dB 100Hz
at volume control position set to −30dB	+4dB 10KHz
Hi filter control	−5dB 10KHz
Low filter control	−3dB 100Hz
Signal to noise ratio	PHONO Better than 35dB AUX Better than 50dB
PHONO equalization curve	RIAA standard

TURNTABLE SECTION

Turntable speeds	33-$\frac{1}{3}$, 45 & 78 r.p.m.
Wow and flutter	0.2% RMS.
Max. usable cartidge weight	4gr.
Frequency response	100~10KHz
Channel separation	15dB
Load impedance	50Kohm
Stylus	R-S07267

CASSETTE TAPE SECTION

Tape speed	1-$\frac{7}{8}$IPS. ±2%
Fast forward time	90sec. (C-60 cassette)
Rewind time	90sec. (C-60 cassette)
Wow & flutter	0.2% RMS.
Crosstalk	Better than 50dB (track to track)
Stereo separation	32dB (at 1000Hz)
Signal to noise ratio	Better than 40dB
Frequency response	100~8KHz

SPEAKER SECTION

Speaker system	2 way, 2 speaker system
Speaker	Woofer 167mm (6$\frac{1}{2}$inch) Tweeter 62mm (2$\frac{1}{2}$inch)
Impedance	8ohm

GENERAL

Power source	110/200/220/240V, 50/60Hz
Power consumption	40W

NOTE : Specifications are subject to change without notice.

ALIGNMENT PROCEDURES

AM IF AND RF ALIGNMENT

STEP	MODE	SIGNAL INPUT	FREQUENCY AND MODULATION OF SSG	DIAL SETTING OF RADIO	COMPONENTS TO BE ADJUSTED FOR MAX. OUTPUT
1	MW	Thru Loop Antenna	455 KHz 30 %	Lower end	IFT. T3, T4, T5
2	MW		515 KHz 30 %	Lower end	OSC coil L7
3	MW		1650 KHz 30 %	Upper end	OSC trimmer CT7
4	MW		600 KHz 30 %	600 KHz	Ant. coil L4
5	MW		1400 KHz 30 %	1400 KHz	Ant. trimmer CT4
6	SW_1		2. 25 MHz 30 %	Lower end	OSC coil L8
7	SW_1		7. 03 MHz 30 %	Upper end	OSC trimmer CT8
8	SW_1		2. 5 MHz 30 %	2. 5 MHz	Ant. coil L5
9	SW_1		6. 5 MHz 30 %	2. 5 MHz	Ant. trimmer CT5
10	SW_2	Thru dummy Ant. Fig. 4	6. 8 MHz 30 %	Lower end	OSC coil L9
11	SW_2		22. 5 MHz 30 %	Upper end	OSC trimmer CT9
12	SW_2		7 MHz 30 %	7 MHz	Ant. coil L6
13	SW_2		21 MHz 30 %	21 MHz	Ant. trimmer CT6

Repeat step 4 and 5.

FM IF ALIGNMENT

STEP	ALIGNMENT FREQUENCY	TEST EQUIPMENT CONNECTION	ADJUSTMENT
1	10. 7 MHz	Connect sweep generator to J4 and oscilloscope to test point J8.	Tune for symmetrical "S" curve (Fig. 1) T1, T2

Fig. I

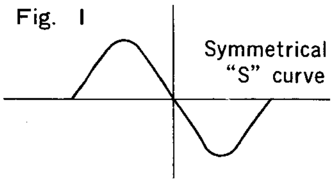
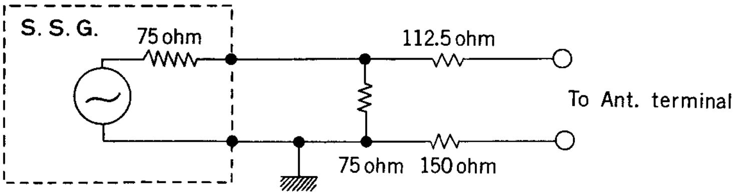


Fig. 2



FM RF ALIGNMENT

STEP	SIGNAL INPUT	FREQUENCY AMP MODULATION OF SSG	DIAL SETTING OF RADIO	COMPONENTS TO BE ADJUSTED FOR MAX. OUTPUT
1	Thru dummy Ant. Fig. 2	87.0 MHz 30 %	Lower end	OSC coil L3
2		109 MHz 30 %	Upper end	OSC trimmer CT3
3		90 MHz 30 %	90 MHz	RF coil L1, L2
4		106 MHz 30 %	106 MHz	RF trimmer CT1, CT2

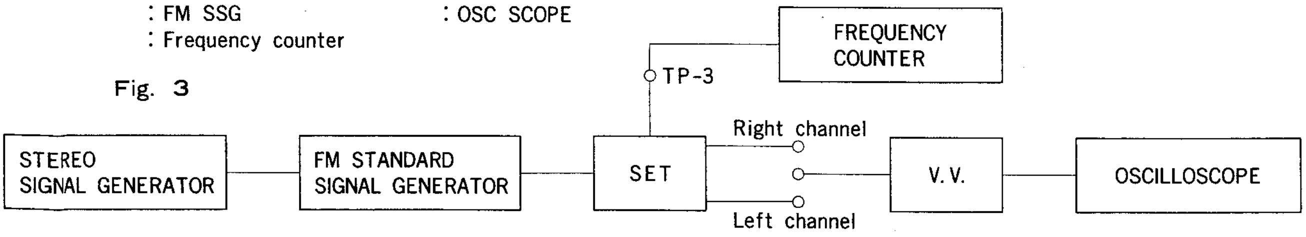
Repeat step 3 and 4.

FM MPX ADJUSTMENT

STEP	SUBJECT	STANDARD SIGNAL GENERATOR	STEREO SIGNAL GENERATOR		COMPONENTS TO BE ADJUSTED	TEST POINT	INDICATION
			PILOT SIGNAL	MAIN, LEFT, RIGHT AND SUB SIGNAL			
1	Adjustment of 19 KHz	98 MHz 60 dB	10% MOD.		SVR-1	J9	19 KHz
2	Adjustment of Separations			30% MOD. with main channel			
3				right channel (or left channel)	SVR-2	left channel output (or right channel output)	Min. output

Test Epuipments : Stereo signal generator
: FM SSG
: Frequency counter
: V.T.V.M
: OSC SCOPE

Fig. 3

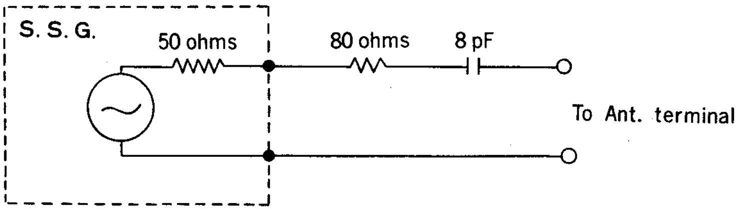


ALIGNMENT PROCEDURES

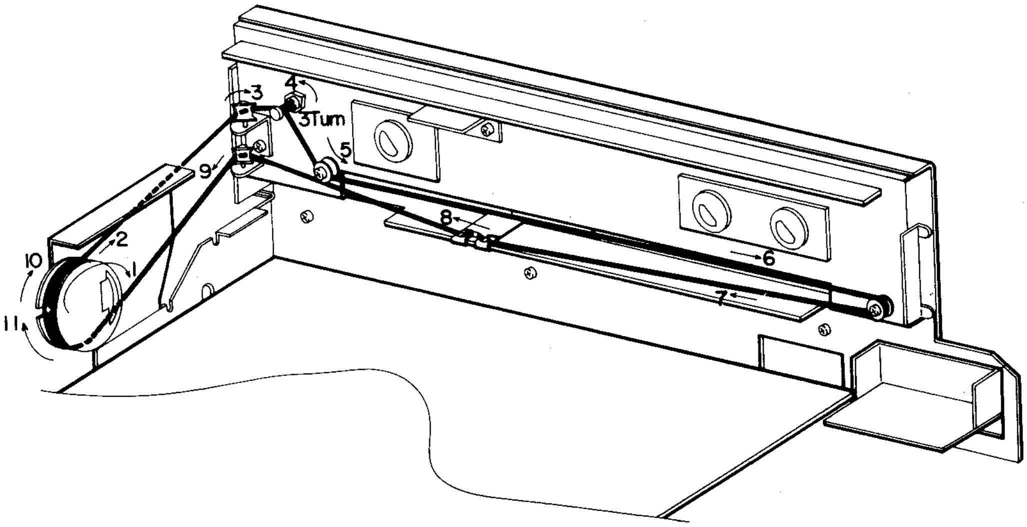
RECORDER ALIGNMENT

SUBJECT	COMPONENT TO BE ADJUSTED	TEST POINT	TEST INSTRUMENT
Bias Trap Maximum	L401 L501	R613, J406 R713, J410	V. T. V. M
Bias Current 4.5 mV	SVR401 SVR501	R613, J406 R713, J410	V. T. V. M
Output Level 27 mV (VTT664)	SVR402 SVR502	L·REC OUT 50KΩ (Road) R·REC OUT 50KΩ (Road)	V. T. V. M

Fig. 4


S. S. G.
50 ohms
80 ohms
8 pF
To Ant. terminal

DIAL CORD STRINGING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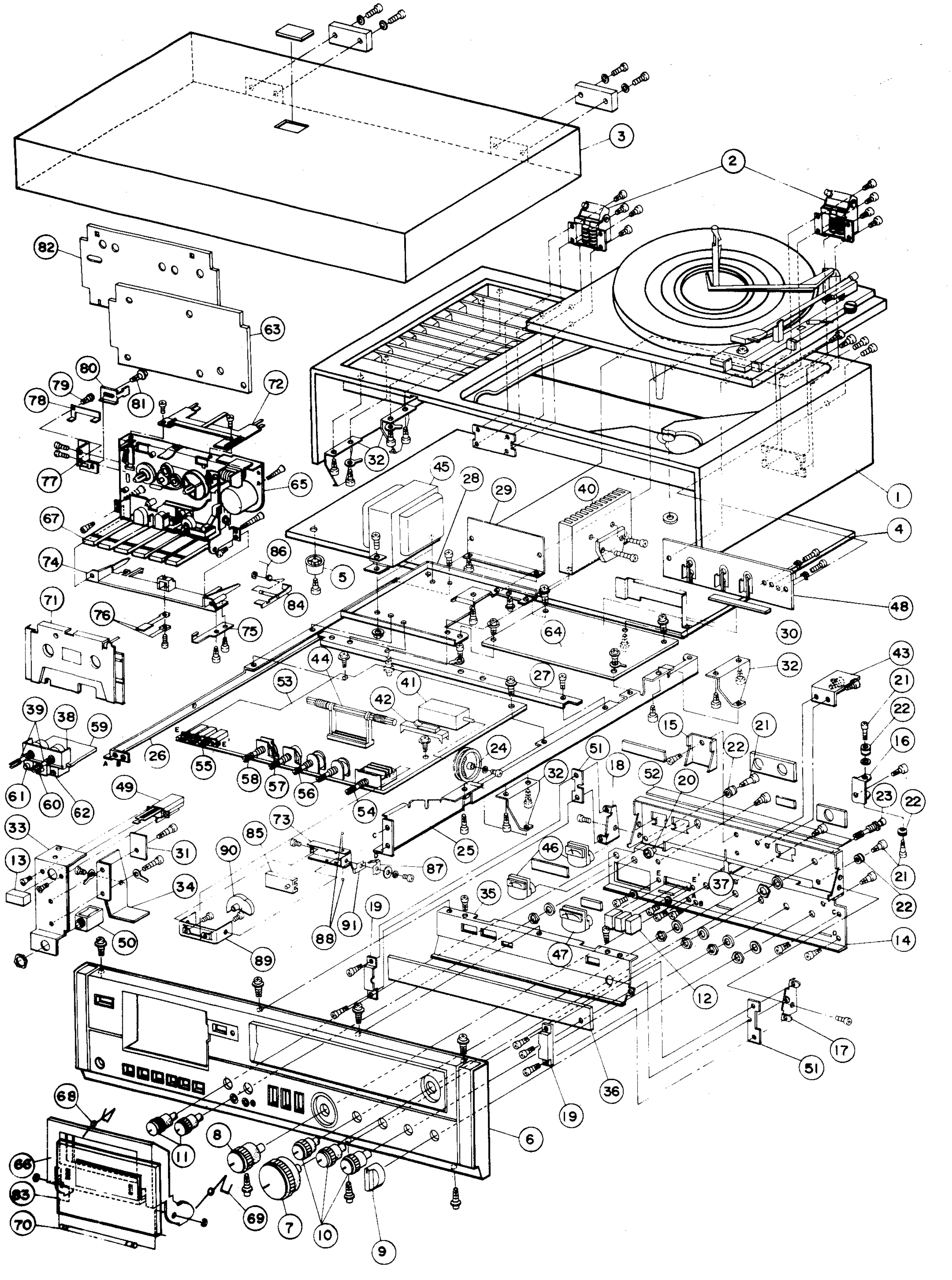
11

EXPLODED VIEW (CABINET & CHASSIS)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PARTS LIST

PACKAGE PARTS

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
		R-4770194	Attention sheet, Stabilizer	1
			Polyethylene bag, 100×240, AC cord	1
		R-357380	Polyethylene bag, Set	1
		R-4073822	Protection bag, Dust cover	1
		R-4772927	Instruction book	1
			Polyethylene bag, 100×240, Mic	1
		R-4171487	Styro-foam cushion, Set right	1
		R-4171488	Styro-foam cushion, Set left	1
		R-4074070	Individual carton	1
		R-4171590	Protector, Front	1
		R-4171591	Protector, Rear	1
		R-4171516	Sheet	1
			Polyethylene bag, 240×320, Instruction book	1
		R-357376	Polyethylene bag, SP box	2
		R-4171470	Styro-foam cushion, SP box	2
		R-4074030	Protector, SP box	1
			Polyethylene bag, 50×150, ANT lead	1
			Polyethylene bag, 50×150, AM ANT.	1

ACCESSORY PARTS

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
		R-S07137	Microphone, Remote switch	1
		R-S07037a	Cassette tape, C-12	1
		R-S07138	Microphone	1
		R-S8574b	Plug adaptor A.C., Siemens Pitch 19mm	1
		R-S8575b	Plug adaptor A.C., England Pitch 16.7mm	1
		R-S87563	AM ANT lead	1

CABINET APPEARANCE PARTS

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
1		R-A72964	Cabinet assembly	1
3		R-A70923	Dust cover assembly	1
4		R-A72763	Bottom cover assembly	1
			Tap. Screw, Pan Hd. with Washer, 3×8	5
5		R-3970762	Base	4
			Tap. Screw, Pan Hd. with Washer, 3×10	4
		R-4770191	Attention sheet, Caution	1
6		R-A73009	Panel assembly, Front	1
		R-4772928	Specifcation sheet	1
7		R-3971843	Knob, Tuning	1
8		R-3971844	Knob, VR	1
9		R-3971845	Knob, Function	1
10		R-3971846	Knob, Tone	3
11		R-3971847	Knob, Rec VR	2
12		R-3971848	Knob, Filter	3
13		R-A72765	Knob assembly, Power	1
		R-1170641	Metal bracket, Hinge	2
2		R-S870547	Hinge assembly, Dust cover	2
			Tap. Screw, Pan Hd., 3×8	8
		R-127839	Metal bracket, Hinge	2
		R-4772929	Label, AM ANT	1
			Tap. Screw, Pan Hd. with Washer, 3×6	6
			Tap. Screw, Pan Hd., 3×6 Panel~Front chassis	3
			Tap. Screw, Pan Hd., 3×8 Chassis~Cabinet	4

SPEAKER BOX ASSEMBLY

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
		R-A72958	Speaker box complete	2
		R-S07158	Speaker, Woofer 8ohm 20W	2
		R-S07049	Speaker, Tweeter, 8ohm 6W	2
			Nut, with Washer, M3 Speaker mtg.	16
		R-S37039-1	Speaker cord assembly, L=2800	2
		R-S17243	Lug	2
		R-S37039-1	Cord assembly, Speaker	2
			Electrolytic capacitor, 35V/1mfd	2

CHASSIS MECHANIAL PARTS

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
14		R-1271094	Chassis, Front	1
15		R-1270897a	Metal bracket, Dial	1
			Tap, Screw, Pan Hd., 3×6	1
16		R-1270898	Metal bracket, Dial cord	1
			Tap. Screw, Pan Hd., 3×6	1
17		R-1270899	Metal bracket, Lamp (R)	1

CHASSIS MECHANIAL PARTS

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
			Tap. Screw, Pan Hd., 3×6	1
18		R-1270900	Metal bracket, Lamp (L)	1
			Tap. Screw, Pan Hd., 3×6	1
19		R-3971879	Lamp holder	2
			Tap. Screw, Pan Hd., 3×10	4
20		R-447945	Holder, STEREO	1
21		R-147054-1	Pulley shaft	3
22		R-325017	Pulley	4
23		R-S870024b	Shaft assembly, Tuning	1
			Nut, Hex Hd., 9	1
		R-157189	Coil spring, VC Drum	1
24		R-327418	Drum	1
			Screw, Pan Hd. with Washer, 2.6×6	1
			Washer, Flat, 2.9×7.5×0.5	1
			Dial cord strength, 0.5×1290mm	1
25		R-1270906	Metal bracket Chassis right	1
			Tap. Screw, Pan Hd., 3×6	2
26		R-1270907	Metal bracket, Chassis left	1
			Tap. Screw, Pan Hd., 3×6	4
27		R-1270908	Metal bracket, Metal bracket~Metal bracket	1
			Tap. Screw, Pan Hd., 3×6	3
28		R-1270909	Chassis, Rear	1
			Tap. Screw, Pan Hd., 3×6	2
29		R-1271044	Metal bracket, AC cord	1
			Tap. Screw, Pan Hd., 3×6	2
30		R-1271065	Metal bracket, Terminal plate	1
31		R-4073951	Insulation paper, Power switch	1
32		R-1270901	Metal bracket, Cabinet~Chassis,~Bottom cover	4
			Tap. Screw, Pan Hd. with Washer, 3×8	1
			Tap. Screw, Pan Hd., 3×8	8
33		R 1270902	Metal bracket, Power switch	1
			Tap. Screw, Pan Hd., 3×8	2
34		R-1270903	Metal bracket, Metal bracket~Metal bracket.	1
35		R-A73020	Decoration metal assembly, DL	1
			Tap. Screw, Pan Hd., 3×8	1
36		R-387820	Dial crystal	1
37		R-A72767	Pointer assembly	1
38		R-1270905	Metal bracket REC VR	1
39		R-247757	Sleeve, REC VR	2
40		R-277434a	Heat sink.	1
			Tap. Screw, Pan Hd., 3×6	1
			Tap. Screw, Pan Hd. with Washer, 3×8	2
		R-1270676	Washer, Trans	2
41		R-1270925	Shield case, EQ	1
		R-357035	Bushing, AC cord	1
		R-S17243	Cord clip, Lead wire	11
43		R-1270938	Metal bracket.	1
			Tap. Screw, Pan Hd., 3×6	2
			Tap. Screw, Pan Hd. with Washer, 3×8	1
		R-4170612	Insulator, AC cord	1
		R-1170240	Fixing gum of cord	1
		R-147054-2	Pulley shaft	1
		R-1170738	Metal bracket, Voltage select	1
			Screw, Pan Hd., 3×8	2
73		R-1271089	Metal bracket, Band select	1
85		R-3971655	Slide, Band select	1
87		R-137099a	Spring metal, Band select	1
88		R-147088	Bearing, Band select	2
89		R-1271088a	Metal bracket, Band select	1
90		R-3972071	Cam, Band select	1
91		R-137106	Leaf spring, Band select	1
65		R-S97064	Cassette mechanism complate	1
			Tap. Screw, Oval Hd., 3×25	4
66		R-3971833	Cassette case	1
67		R-3971834	Knob, RECORD/RWD/FFWD/PLAY/STOP/PAUSE	6
68		R-157935a	Spring, Cassette case	1
69		R-157948b	Spring, Cassette case	1
70		R-157936	Shaft, Cassette case	1
			Ring, E, 3	2
71		R-A72768	Cassette case bottom assembly	1

NOTES : 1. Part orders must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

PARTS LIST

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
			CHASSIS MECHANICAL PARTS	
			Screw, Pan Hd., 2.6×6	2
			Screw, Flat Hd., 2.6×6	1
72		R–3971835a	Fix plastic board mechanism top	1
			Screw, Pan Hd., 2.6×6 S-tight	2
74		R–3971836a	Fix plastic board, Metal bracket bottom	1
75		R–1270874	Spring metal, Case hold	1
			Screw, Pan Hd., 3×6 B-tight	2
76		R–S17268a	Leaf switch	1
			Screw, Pan Hd., 3×8	1
77		R–1270917	Metal bracket, REC SW	1
78		R–1270918	Arm, REC SW	1
79		R–147085	Special screw, REC SW	1
80		R–1270875	Lever, REC SW	1
81		R–147090	Special screw, REC SW	1
			Screw, Pan Hd., 2.6×6 S-tight	2
		R–S17269	Cord clip, Head lead	1
82		R–1171119	Shield plate, Cassette P.C.B.	1
83		R–A72769	Cassette cover assembly	1
		R–3971944	Label, Connector~P.C.B.	2
84		R–A72881	Arm assembly	1
86		R–157971	Spring	1
			Ring, E, E-1.5	1
			CHASSIS ELECTRICAL PARTS	
44	L5, 6	R–W27098	Antenna coil	1
45		R–W77563	Power trans.	1
			Screw, Pan Hd., 4×8	2
			Nut, with Washer, 4	2
		R–377046a-4	Housing, CS-1	1
		R–377046a-10	Housing, CS-2	1
		R–377046a-3	Housing, CS-401, 403	2
		R–377046a-6	Housing, CS-402	1
		R–377046a-5	Housing,	1
		R–257149	Terminal, Housing	30
	VR205, 305	R–R1167163	Variable resistor, 10K-B×1, REC VR	2
		R–S17205	Pilot lamp, 12V, Lamp P.C.B.	5
46		R–S57140	Level meter, Level	2
47		R–S57139	Level meter, T meter	1
		R–S27208	Socket, CS-404	2
48		R–S17274	Terminal plate, SP AUX	1
			Tap. Screw, Pan Hd., 3×8	2
		R–S3708-1	AC cord	1
		R–S17263	Connector	3
49	S8	R–S47382	Push switch, Power.	1
			Screw, Flat Hd., 3×6	2
		R–S17236	Pilot lamp, 14V, ST IND	1
		R–S37086-2	Cord assembly, Phono out	1
		R–S27147-2	Plug assembly, Motor power	1
50		R–S27164	Headphone jack	1
		R–237113	Oval lug, Earth	2
51		R–4171478	Printed circuit board, Small Lamp P.C.B.	1
52		R–4171479a	Printed circuit board, Large Lamp P.C.B.	1
		R–247493	Wirewrap terminal, Large Lamp P.C.B.	4
	S11	R–S47222-2	Rotary switch, Voltage select	1
		R–377063	Nylon band.	6
			Screw, Pan Hd., 3×8	2
			Nut, Hex Hd., M3 Rotary switch mtg.	2
			Tap. Screw, Pan Hd. with Washer, 3×8	2
			Tap. Screw, Pan Hd. with Washer, 3×6 P.C.B. mtg.	8
			Tap. Screw, Pan Hd. with Washer "A", 3×14	2
			Flat Washer, Fiber, 3.3×10×1 Tuner P.C.B. mtg.	2
			Tap. Screw, Pan Hd., 3×6 Tape P.C.B. mtg.	2
			Spring Washer, Metal, 3.3×8×1 Amp P.C.B.	1
			TUNER P.C.B. ASSEMBLY	
53		R–A73017	Circuit board assembly, Tuner	1
	L1	R–W27094	Antenna coil	1
	L2	R–W9710	VHF coil	1
	L3	R–W9716	VHF coil	1
	L6	R–W27050	Antenna coil	1

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
			TUNER P.C.B. ASSEMBLY	
	L7	R–W87002	OSC coil	1
	L8	R–W8797	OSC coil	1
	L9	R–W8787	OSC coil	1
	L10	R–W9018	Choke coil	1
	L11, 12	R–W1751	Choke coil	2
	T1	R–W5T766	IF transformer	1
	T2	R–W5T792	IF transformer	1
	T3	R–W5T731	IF transformer	1
	T4	R–W5T730	IF transformer	1
	T5	R–W5T312	IF transformer	1
	CF1, 2	R–S17065	Ceramic filter	2
		R–C1725	Variable capacitor	1
		R–C0729	Trimmer	2
		R–C0716	Trimmer	3
54	S1	R–S47417	Rotary switch, Function	1
55	S2, 3, 4	R–S47383	Push switch, L & H cut filter/Loudness	1
56	VR201, 202	R–R1167164	Variable resistor, 50K-A×2, Bass/Treble	2
57	VR203	R–R1167161	Variable resistor, 200K-W×1, Balance	1
58	VR204	R–R1167162	Variable resistor, 100K-B×2, Vol.	1
	SVR1	R–R110729	Preset resistor, 5K-B	1
	SVR2	R–R110727	Preset resistor, 1K-B	1
	SVR$^{201}_{202}$	R–R110723	Preset resistor, 100K-B	2
42	S10	R–S47372	Slide switch, Rand select	1
		R–S37163	Connection wire	1
	CP1	R–S27260-4	Plug, 4P	1
	CP2	R–S27207-10	Plug, 10P	1
	J1, 2	R–237050	Eyelet lug.	2
			SEMICONDUCTORS	
	IC1		Integrated circuit, TA7303	1
	IC2		Integrated circuit, LA3350	1
	Q1, 2		Transistor, 2SC1923-0 or 2SC668 E	2
	Q3, 4, 5, 6, 7, 8, 9		Transistor, 2SC930 E	7
	Q201, 301		Transistor, 2SC1570 or 2SC1571	2
	Q202, 302		Transistor, 2SC536 G	2
	D1. 5, 6		Diode, 1S1588	3
	D2, 3, 4		Diode, 1S188 AM	3
			RESISTORS	
	R1		Carbon, 1Kohm, ±5%, $\frac{1}{4}$W	1
	R2		Carbon, 56Kohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R7, 45, 219, 319		Carbon, 2.2Kohm, ±5%, $\frac{1}{4}$W (R25 type)	4
	R3, 19, 25, 44, 50, 61		Carbon, 10Kohm, ±5%, $\frac{1}{4}$W (R25 type)	6
	R4, 5, 15, 20, 32, 51, 59, 68, 69, 75, 251		Carbon, 1Kohm, ±5%, $\frac{1}{4}$W (R25 type)	11
	R6		Carbon, 33ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R8, 67		Carbon, 12Kohm, ±5%, $\frac{1}{4}$W (R25 type)	2
	R9, 221, 321, 222, 322		Carbon, 8.2Kohm, ±5%, $\frac{1}{4}$W (R25 type)	5
	R10, 11, 22, 27, 208, 308		Carbon, 100Kohm, ±5%, $\frac{1}{4}$W (R25 type)	6
	R12, 40, 41		Carbon, 4.7Kohm, ±5%, $\frac{1}{4}$W (R25 type)	3
	R13, 18, 29, 30, 49, 206, 306, 213, 313		Carbon, 27Kohm, ±5%, $\frac{1}{4}$W (R25 type)	9
	R14, 214, 314		Carbon, 22Kohm, ±5%, $\frac{1}{4}$W (R25 type)	3
	R16, 17, 21, 23, 53		Carbon, 330ohm, ±5%, $\frac{1}{4}$W (R25 type)	5
	R24, 28, 56, 57, 62		Carbon, 100ohm, ±5%, $\frac{1}{4}$W (R25 type)	5
	R26, 212, 312		Carbon, 5.6Kohm, ±5%, $\frac{1}{4}$W (R25 type)	3
	R31, 36, 37, 46		Carbon, 3.3Kohm, ±5%, $\frac{1}{4}$W (R25 type)	4
	R33		Carbon, 33Kohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R34		Carbon, 6.8Kohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R35		Carbon, 680ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R38, 39, 72		Carbon, 3.9Kohm, ±5%, $\frac{1}{4}$W (R25 type)	3
	R42, 43		Carbon, 10ohm, ±5%, $\frac{1}{4}$W (R25 type)	2
	R47		Carbon, 470ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R48		Carbon, 820ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R52, 54		Carbon, 270ohm, ±5%, $\frac{1}{4}$W (R25 type)	2
	R55		Carbon, 22ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R58, 73, 218, 318		Carbon, 2.7Kohm, ±5%, $\frac{1}{4}$W (R25 type)	4
	R60		Carbon, 39Kohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R70, 216, 316, 252		Carbon, 1.2Kohm, ±5%, $\frac{1}{4}$W (R25 type)	4
	R63		Carbon, 180ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R64		Carbon, 390ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R65		Carbon, 560ohm, ±5%, $\frac{1}{4}$W (R25 type)	1
	R71, 217, 317		Carbon, 15Kohm, ±5%, $\frac{1}{4}$W (R25 type)	3
	R74		Carbon, 68Kohm, ±5%, $\frac{1}{4}$W (R25 type)	1

NOTES : 1. Part orders must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

PARTS LIST

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
			TUNER P.C.B. ASSEMBLY	
	R201, 207, 220, 301, 307, 320		Carbon, 47Kohm, ±5%, 1/4W (R25 type)	6
	R202, 203, 302, 303		Carbon, 820Kohm, ±5%, 1/4W (R25 type)	4
	R204, 304		Carbon, 470Kohm, ±5%, 1/4W (R25 type)	2
	R205, 305		Carbon, 180Kohm, ±5%, 1/4W (R25 type)	2
	R209, 309		Carbon, 1Mohm, ±5%, 1/4W (R25 type)	2
	R210, 310		Carbon, 82Kohm, ±5%, 1/4W (R25 type)	2
	R211, 311		Carbon, 220ohm, ±5%, 1/4W (R25 type)	2
	R215, 315		Carbon, 560Kohm, ±5%, 1/4W (R25 type)	2
			CAPACITORS	
	C17		Ceramic, 680pF, ±10%, 50V, B	1
	C7, 9		Ceramic, 10pF, ±10%, 50V, SL	2
	C10, 12		Ceramic, 10pF, ±10%, 50V, CH	2
	C14		Ceramic, 15pF, ±10%, 50V, TH	1
	C1, 5, 28, 43		Ceramic, 12pF, ±10%, 50V, SL	4
	C11		Ceramic, 25pF, ±10%, 50V, CH	1
	C30		Ceramic, 20pF, ±10%, 50V, SL	1
	C26		Ceramic, 100pF, ±10%, 50V, SL	1
	C13		Ceramic, 1pF, ±0.25pF, 50V, SL	1
	C2		Ceramic, 5pF, ±0.5pF, 50V, SL	1
	C6		Ceramic, 6pF, ± 5 %, 50V, SL	1
	C22		Ceramic, 0.02 or 0.022mfd, ±20%, 25V, BC	1
	C3, 4, 8, 16, 18, 19, 20, 21, 25, 31, 36, 52, 53, 23		Ceramic, 0.02 or 0.022mfd, +80−20%, 50V, FZ	14
	C35, 38, 49, 50, 51, 54, 57		Ceramic, 0.04 or 0.047mfd, +80−20%, 50V, FZ	7
	C42, 212, 312, 219, 319		Mylar, 0.0039mfd, ±10%, 50V	5
	C32, 33, 39, 47, 55, 56		Mylar, 0.01mfd, ±10%, 50V	6
	C40, 77		Mylar, 0.0022mfd, ±10%, 50V	2
	C41, 72, 73		Mylar, 0.001mfd, ±10%, 50V	3
	C48, 70, 71, 69, 68		Mylar, 0.0056mfd, ±10%, 50V	5
	C58		Mylar, 0.012mfd, ±10%, 50V	1
	C74, 75		Mylar, 0.015mfd, ±10%, 50V	2
	C44		Styrol, 4300pF, ±5%, 50V	1
	C45		Styrol, 360pF, ±5%, 50V	1
	C46, 60		Styrol, 1500pF, ±5%, 50V	2
	C203, 303		Ceramic, 270pF, ±10%, 50V, YW or B	2
	C204, 304		Ceramic, 80pF, ±10%, 50V, SL	2
	C206, 306		Ceramic, 180pF, ±10%, 50V, SL or B	2
	C209, 309		Ceramic, 30pF, ±10%, 50V, SL	2
	C210, 310		Ceramic, 470pF, ±10%, 50V, YW or B	2
	C218, 318		Ceramic, 680pF, ±10%, 50V, YW or B	2
	C216, 316		Mylar, 0.0047mfd, ±10%, 50V	2
	C213, 313		Mylar, 0.012mfd, ±10%, 50V	2
	C217, 317		Mylar, 0.018mfd, ±10%, 50V	2
	C215, 315		Mylar, 0,015mfd, ±10%, 50V	2
	C214, 314		Mylar, 0.1mfd, ±10%, 50V	2
	C24, 59, 76, 202, 302		Electrolytic, 16V/1mfd	5
	C29, 37, 63, 64, 205, 305, 211, 311		Electrolytic, 16V/4.7mfd	8
	C62		Electrolytic, 16V/330mfd	1
	C27, 78		Electrolytic, 16V/220mfd	2
	C34		Electrolytic, 16V/10mfd	1
	C251		Electrolytic, 25V/220mfd	1
	C252		Electrolytic, 25V/100mfd	1
	C66		Electrolytic, 16V/0.22mfd, Alsicon	1
	C65		Electrolytic, 16V/0.47mfd, Alsicon	1
	C61, 67, 201, 301, 208, 308		Electrolytic, 16V/1mfd, Alsicon	6
			MIC P.C.B. ASSEMBLY	
59		R−A72771	Circuit board assembly, Mic	1
60		R−S27289	Mic jack, Right mic	1
61		R−S27290	Mic jack, Left mic	1
62		R−S27291	Mic jack, Remote	1
			RESISTORS	
	R224, 324		Carbon, 2.2Kohm, ±5%, 1/4W	2
			CAPACITORS	
	C222		Ceramic, 0.04 or 0.047mfd, +80−20%, 50V	1
			CASSETTE P.C.B. ASSEMBLY	
63		R−A72772	Circuit board assembly, Cassette	1
	S5	R−S47313 or R−S47402	Slide switch, REC/Play	1
	L403	R−W87005	OSC coil	1
	L401, 501	R−W1777	Trap coil	2

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
			CASSETTE P.C.B. ASSEMBLY	
	L404, 504	R−W6724	Choke coil, 10mH	2
	SVR401, 501	R−R110723	Preset resistor, 100K-B	2
	SVR402, 502	R−R110705	Preset resistor, 50K-B	2
	CP401, 403	R−S27260-3	Plug, 3P	2
	CP402	R−S27260-6	Plug, 6P	1
	CP404	R−257160	Terminal	2
			SEMICONDUCTORS	
	IC401, 501		Integrated circuit, TA-7120P	2
	Q401, 501, 403, 503		Transistor, 2SC536 E	4
	Q402, 502		Transistor, 2SC536 G	2
	Q404		Transistor, 2SD400	1
	D401, 402, 501, 502		Diode, 1S188 AM	4
	D403, 404		Diode, BZ-081	2
			RESISTORS	
	R401, 501		Carbon, 10ohm, ±5%, 1/4W (R25 type)	2
	R405, 505, 412, 512		Carbon, 100Kohm, ±5%, 1/4W (R25 type)	4
	R403, 404, 503, 504, 420, 520, 406, 506, 415, 515		Carbon, 56Kohm, ±5%, 1/4W (R25 type)	10
	R408, 508		Carbon, 8.2Kohm, ±5%, 1/4W (R25 type)	2
	R407, 507		Carbon, 4.7Kohm, ±5%, 1/4W (R25 type)	2
	R409, 509, 411, 511		Carbon, 1Kohm, ±5%, 1/4W (R25 type)	4
	R427		Carbon, 27Kohm, ±5%, 1/4W (R25 type)	1
	R410, 510, 416, 516		Carbon, 22Kohm, ±5%, 1/4W (R25 type)	4
	R413, 513		Carbon, 270ohm, ±5%, 1/4W (R25 type)	2
	R414, 514		Carbon, 5.6Kohm, ±5%, 1/4W (R25 type)	2
	R418, 518		Carbon, 150Kohm, ±5%, 1/4W (R25 type)	2
	R417, 517		Carbon, 120Kohm, ±5%, 1/4W (R25 type)	2
	R419, 519		Carbon, 1.5Kohm, ±5%, 1/4W (R25 type)	2
	R422, 423		Carbon, 100ohm, ±5%, 1/4W (R25 type)	2
	R421		Carbon, 180ohm, ±5%, 1/4W (R25 type)	1
	R402, 502		Carbon, 330ohm, ±5%, 1/4W (R25 type)	2
	R428		Carbon, 33ohm, ±5%, 1/4W (R25 type)	1
	R425		Solid, 220ohm, ±10%, 1/2W (R25 type)	1
	R424		Solid, 68ohm, ±10%, 1/2W (R25 type)	1
	R426		Carbon, 22ohm, ±5%, 1/4W (R25 type)	1
			CAPACITORS	
	C413, 513		Mylar, 0.0056mfd, ±10%, 50V	2
	C419, 519, 420, 520		Mylar, 0.012mfd, ±10%, 50V	4
	C427		Mylar, 0.0047mfd, ±10%, 50V	1
	C428		Mylar, 0.022mfd, ±10%, 50V	1
	C429		Mylar, 0.01mfd, ±10%, 50V	1
	C415, 515		Mylar, 0.0015mfd, ± 5 %, 50V	2
	C401, 501		Mylar, 0.001mfd, ± 5 %, 50V	2
	C403, 503		Mylar, 0.027mfd, ± 5 %, 50V	2
	C402, 502		Mylar, 0.015mfd, ± 5 %, 50V	2
	C411, 511		Mylar, 0.018mfd, ± 5 %, 50V	2
	C414, 514		Styrol, 1200pF, ±5%, 50V	2
	C430		Styrol, 2700pF, ±5%, 125V	1
	C404, 504, 431, 531		Ceramic, 100pF, ±10%, 50V, SL	4
	C405, 505, 416, 516		Ceramic, 470pF, ±10%, 50V, B	4
	C410, 510		Ceramic, 20pF, ±10%, 50V, SL	2
	C421, 521		Ceramic, 220pF, ±10%, 50V, B	2
	C407, 507		Electrolytic, 6.3V/100mfd	2
	C406, 506		Electrolytic, 10V/33mfd	2
	C424		Electrolytic, 10V/220mfd	1
	C422, 433		Electrolytic, 16V/100mfd	2
	C426		Electrolytic, 10V/1mfd	1
	C412, 512, 408, 508		Electrolytic, 16V/4.7mfd	4
	C417, 517, 418, 518, 434		Electrolytic, 16V/1mfd	5
	C409, 509, 432, 532		Electrolytic, 16V/3.3mfd, Alsicon	4
	C425		Electrolytic, 16V/220mfd	1
	C423		Electrolytic, 16V/470mfd	1
			AMP P.C.B. ASSEMBLY	
64		R−A72773	Circuit board assembly, Amp.	1
	L801	R−W6724	Choke coil, 10mH	1
		R−S27207-5	Plug, 5P	1
			SEMICONDUCTORS	
	IC601		Integrated circuit, STK-435	1
	D801		Diode, BZ-120	1
	D802, 803, 804, 805		Diode, 10D1 or SM-1	4

NOTES : 1. Part orders must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

PARTS LIST

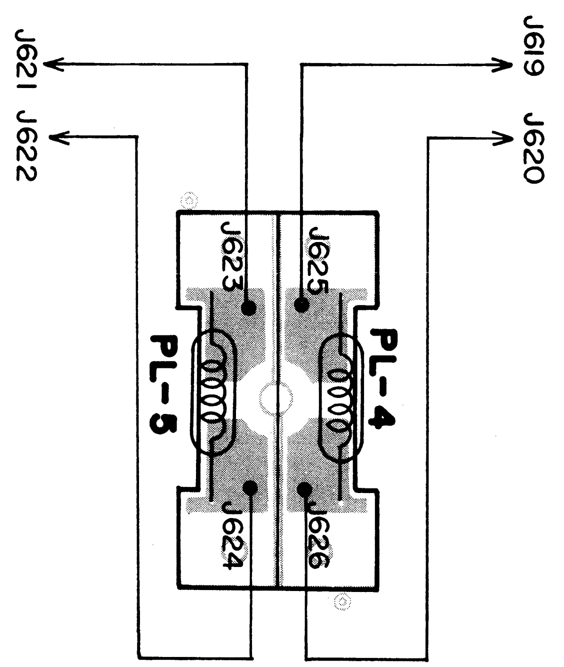
Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
			AMP P.C.B. ASSEMBLY	
			RESISTORS	2
	R603, 703		Carbon, 220Kohm, ±5%, 1/4W (R25 type)	2
	R601, 701		Carbon, 1Kohm, ±5%, 1/4W (R25 type)	2
	R604, 704		Carbon, 100ohm, ±5%, 1/4W (R25 type)	2
	R605, 705		Carbon, 15Kohm, ±5%, 1/4W (R25 type)	2
	R607, 707		Carbon, 4.7ohm, ±5%, 1/4W (R25 type)	2
	R602, 702		Carbon, 390Kohm, ±5%, 1/4W (R25 type)	2
	R606, 706		Carbon, 270Kohm, ±5%, 1/4W (R25 type)	2
	R754		Metal oxide film, 22ohm, ±5%, 1W	1
	R755		Metal oxide film, 150ohm, ±5%, 2W	1
	R610		Metal film, 100ohm, ±5%, 1/2W (Fuse type)	1
	R757		Metal film, 56ohm, ±5%, 1/2W (Fuse type)	1
	R752		Metal film, 68ohm, ±5%, 1/2W (Fuse type)	1
	R753		Metal film, 47ohm, ±5%, 1/2W (Fuse type)	1
	R756		Metal film, 680ohm, ±5%, 1/2W (Fuse type)	1
	R801, 802		Solid, 220ohm, ±10%, 1/2W	2

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
			AMP P.C.B. ASSEMBLY	
			CAPACITORS	
	C602, 702		Ceramic, 470pF, ±10%, 50V, B	2
	C755, 756, 757, 758		Mylar, 0.047mfd, ±20%, 100V	4
	C607, 707		Mylar, 0.1mfd, ±20%, 50V	2
	C604, 704		Electrolytic, 25V/1mfd	2
	C603, 703		Electrolytic, 25V/100mfd	2
	C605, 705		Electrolytic, 25V/22mfd	2
	C606, 706		Electrolytic, 35V/1000mfd	2
	C610		Electrolytic, 50V/100mfd	1
	C601, 701		Electrolytic, 16V/0.47mfd	2
	C751, 753		Electrolytic, 16V/220mfd	2
	C752		Electrolytic, 16V/470mfd	1
	C759		Electrolytic, 25V/470mfd	1
	C754		Electrolytic, 40V/2200mfd	1
	C760		Electrolytic, 25V/220mfd	1
	C762, 763		Ceramic, 0.047mfd, +80−20%, 50V	2

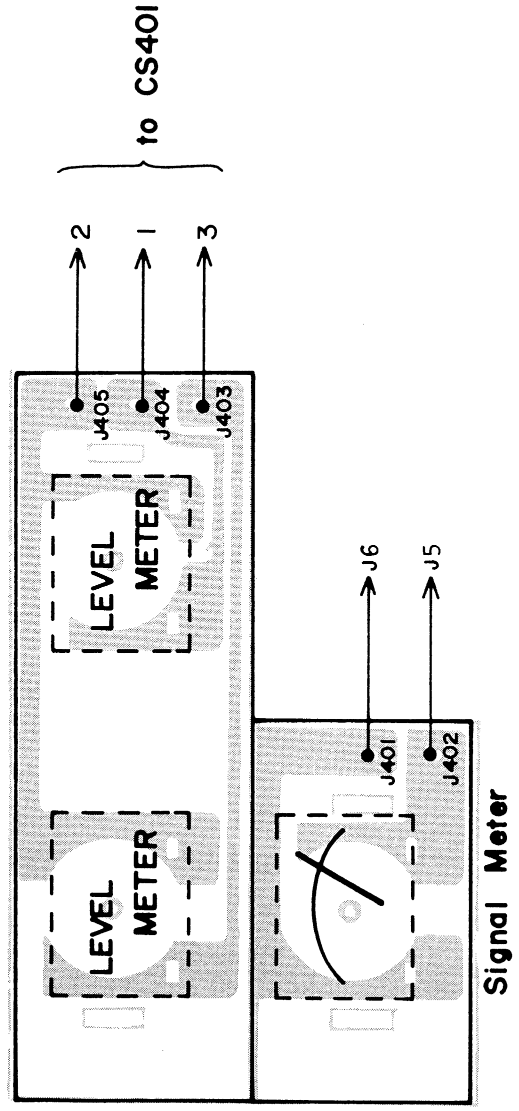
NOTES : 1. Part orders must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

WIRING DIAGRAM

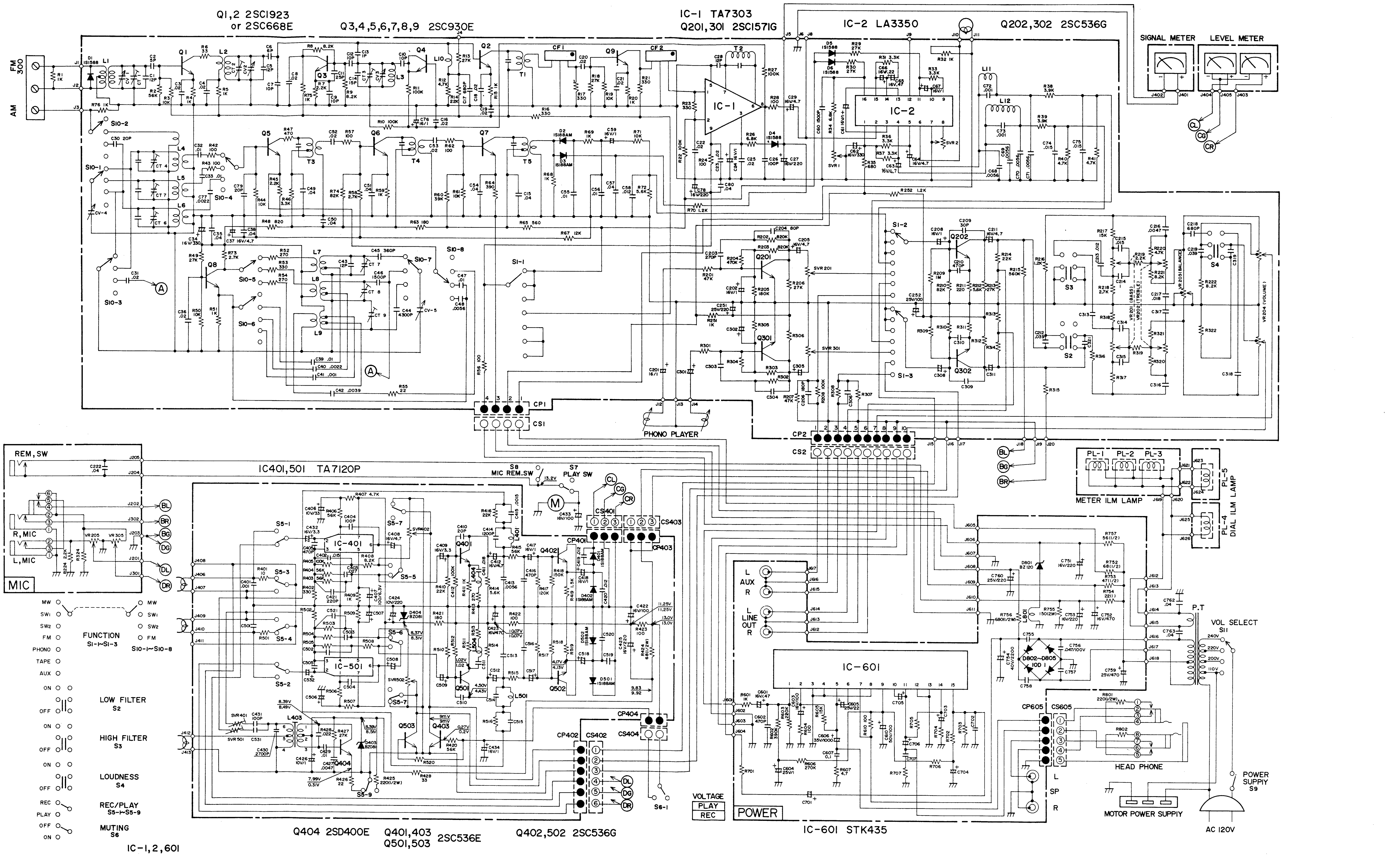
DIAL LAMP P.C.B. Bottom



LEVEL/SIGNAL METER P.C.B. Bottom



SCHEMATIC DIAGRAM


Q1,2 2SC1923
or 2SC668E
Q3,4,5,6,7,8,9 2SC930E
IC-1 TA7303
Q201,301 2SC1571G
IC-2 LA3350
Q202,302 2SC536G
SIGNAL METER
LEVEL METER
FM 300
AM
S10-1
S10-2
S10-3
S10-4
S10-5
S10-6
S10-7
S10-8
S1-1
S1-2
S1-3
CF1
CF2
IC-1
IC-2
CP1
CS1
PHONO PLAYER
CP2
CS2
REM, SW
R, MIC
L, MIC
MIC
IC401,501 TA7120P
S8
MIC REM.SW
S7
PLAY SW
IC-401
IC-501
S5-1
S5-2
S5-3
S5-4
S5-5
S5-6
S5-7
S5-9
S6-1
CS401
CS403
CP401
CP403
CP402
CS402
CP404
CS404
PL-1
PL-2
PL-3
METER ILM LAMP
PL-5
PL-4
DIAL ILM LAMP
L
AUX
R
L
LINE
OUT
R
IC-601
CP605
CS605
HEAD PHONE
L
SP
R
P.T
VOL SELECT
S11
240V
220V
200V
110V
POWER
SUPPLY
S9
MOTOR POWER SUPPIY
AC 120V
VOLTAGE
PLAY
REC
POWER
MW
SW1
SW2
FM
PHONO
TAPE
AUX
FUNCTION
S1-1~S1-3
S10-1~S10-8
ON
OFF
LOW FILTER
S2
HIGH FILTER
S3
LOUDNESS
S4
REC
PLAY
REC/PLAY
S5-1~S5-9
OFF
ON
MUTING
S6
Q404 2SD400E
Q401,403
Q501,503
2SC536E
Q402,502 2SC536G
IC-601 STK435

IC-1,2,601

IC NO \ PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IC-1 (V)	1.9	1.9	0.2	1.4	0	4.3	4.3	4.3	10.0							
IC-2 (V)	9.8	2.9	5.5	6.7	6.7	16.0	0	0.3	6.5	2.7	5.5	0.2	3.2	3.2	2.2	3.2
IC-601 (V)	7.6	7.1	0	0	17.5	4.3	33	0	32.1	4.3	17.9	0	1.5	7.2	7.6	

IC-401,501

PIN NO	1	2	3	4	5	6	7
PLAY	1.95	0.61	m 18V	0	0.63	3.32	8.37
REC	1.95	0.61	m 18V	0	0.63	3.27	8.37

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q201 Q301	Q202 Q302	
BASE	1.5	1.8	3.5	0.4	1.3	1.8	1.6	1.9	3.0	0.6	0.39	
COLL	9.4	10.3	8.6	2.3	6.7	8.3	9.1	6.9	10.9	7.5	8.9	
EMITT	0.8	1.1	2.8	2.3	0.9	1.1	0.9	13	2.3	0	0.34	

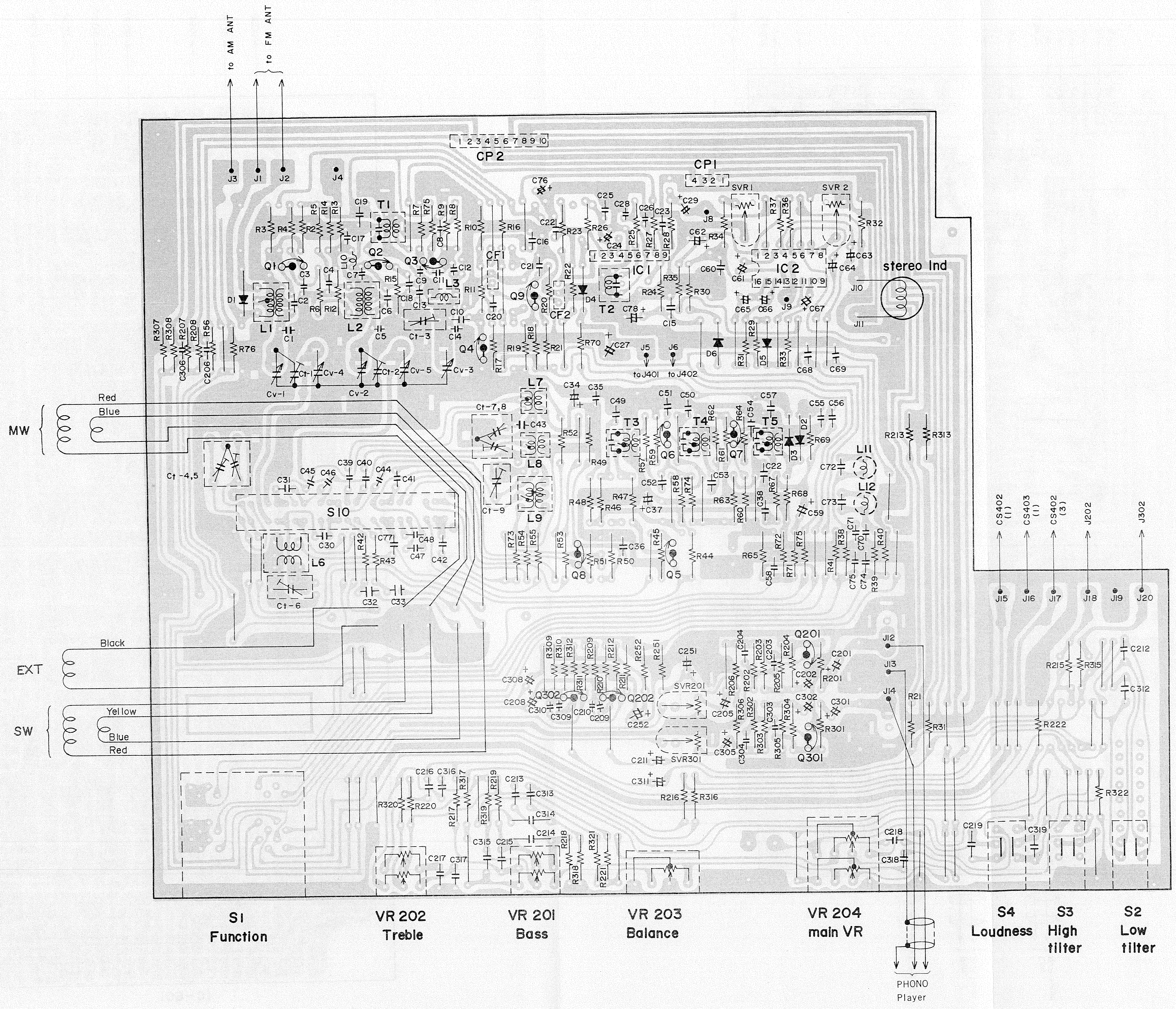
NOTES

1. ALL RESISTANCES ARE 1/4W, UNLESS NOTED OTHERWISE VALUES ARE IN OHMS. ($K=10^3$, $M=10^6$)
2. ALL CAPACITOR VALUES ARE IN μF. ($p=10^{-6}\mu F$)
3. VOLTAGE READINGS TO COMMON GROUND ARE MEASURED WITH V.T.V.M UNDER NO SIGNAL.
4. THIS SCHEMATIC DIAGRAM MIGHT BE MODIFIED WITH DEVELOPMENT OF TECHNOLOGY.

GXT-4545HK
135-1188
CIRCUIT DIAGRAM

WIRING DIAGRAM

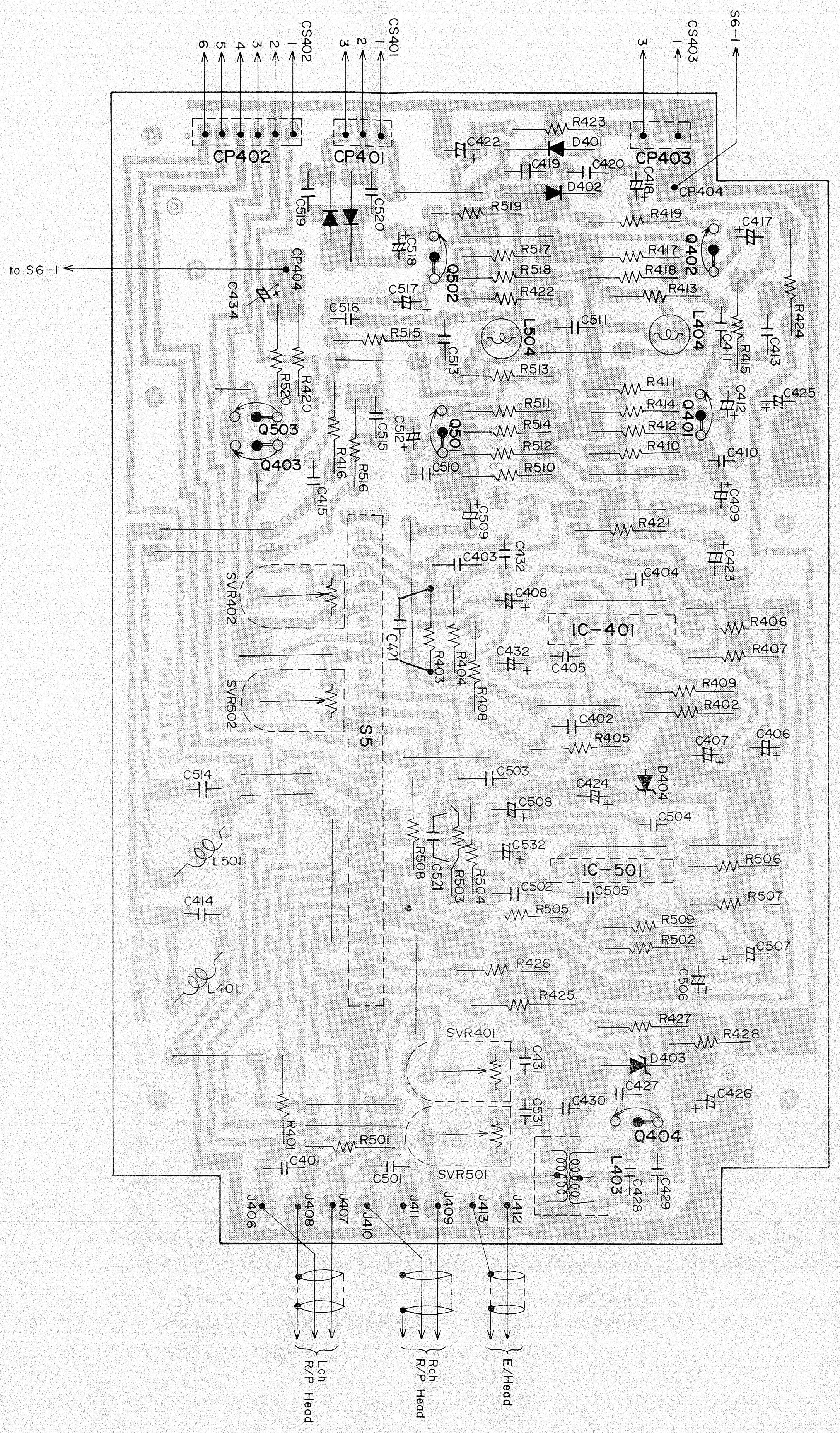
TUNER P.C.B. Bottom



to AM ANT
to FM ANT
J3
J1
J2
J4
CP2
1 2 3 4 5 6 7 8 9 10
CP1
4 3 2 1
SVR 1
SVR 2
stereo Ind
IC 1
IC 2
T1
T2
T3
T4
T5
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
L1
L2
L3
L6
L7
L8
L9
L11
L12
CF1
CF2
D1
D2
D3
D4
D5
D6
J5
J6
J8
J9
J10
J11
to J401
to J402
Cv-1
Cv-2
Cv-3
Cv-4
Cv-5
Ct-1
Ct-2
Ct-3
Ct-4,5
Ct-6
Ct-7,8
Ct-9
S10
MW
Red
Blue
EXT
Black
SW
Yellow
Blue
Red
Q201
Q202
Q301
Q302
SVR201
SVR301
J12
J13
J14
J15
J16
J17
J18
J19
J20
CS402 (1)
CS403 (1)
CS402 (3)
J202
J302
S1
Function
VR 202
Treble
VR 201
Bass
VR 203
Balance
VR 204
main VR
S4
Loudness
S3
High filter
S2
Low filter
PHONO
Player

WIRING DIAGRAM

CASSETTE P.C.B. Bottom


CS402
6
5
4
3
2
1
CS401
3
2
1
CS403
3
1
S6-1
to S6-1
CP402
CP401
CP403
CP404
R423
D401
D402
C422
C419
C420
C418
R419
R519
C519
C520
C518
R517
R518
R522
R417
R418
R413
Q402
Q502
C417
C434
C516
C517
R515
C513
L504
C511
L404
R415
C413
R424
C411
R513
R520
R420
R511
R514
R512
R510
R411
R414
R412
R410
C412
C425
Q401
Q501
Q503
Q403
R416
R516
C515
C512
C510
C410
C409
C415
C509
R421
C403
C432
C404
C423
SVR402
C408
IC-401
R406
R407
C421
R403
R404
R408
C432
C405
SVR502
R409
R402
C402
R405
S5
C407
C406
C514
C503
C424
D404
C508
C504
L501
R508
C521
R503
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L401
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R425
R427
R428
SVR401
C431
D403
C427
C426
C531
C430
Q404
R401
R501
C401
C501
SVR501
L403
C428
C429
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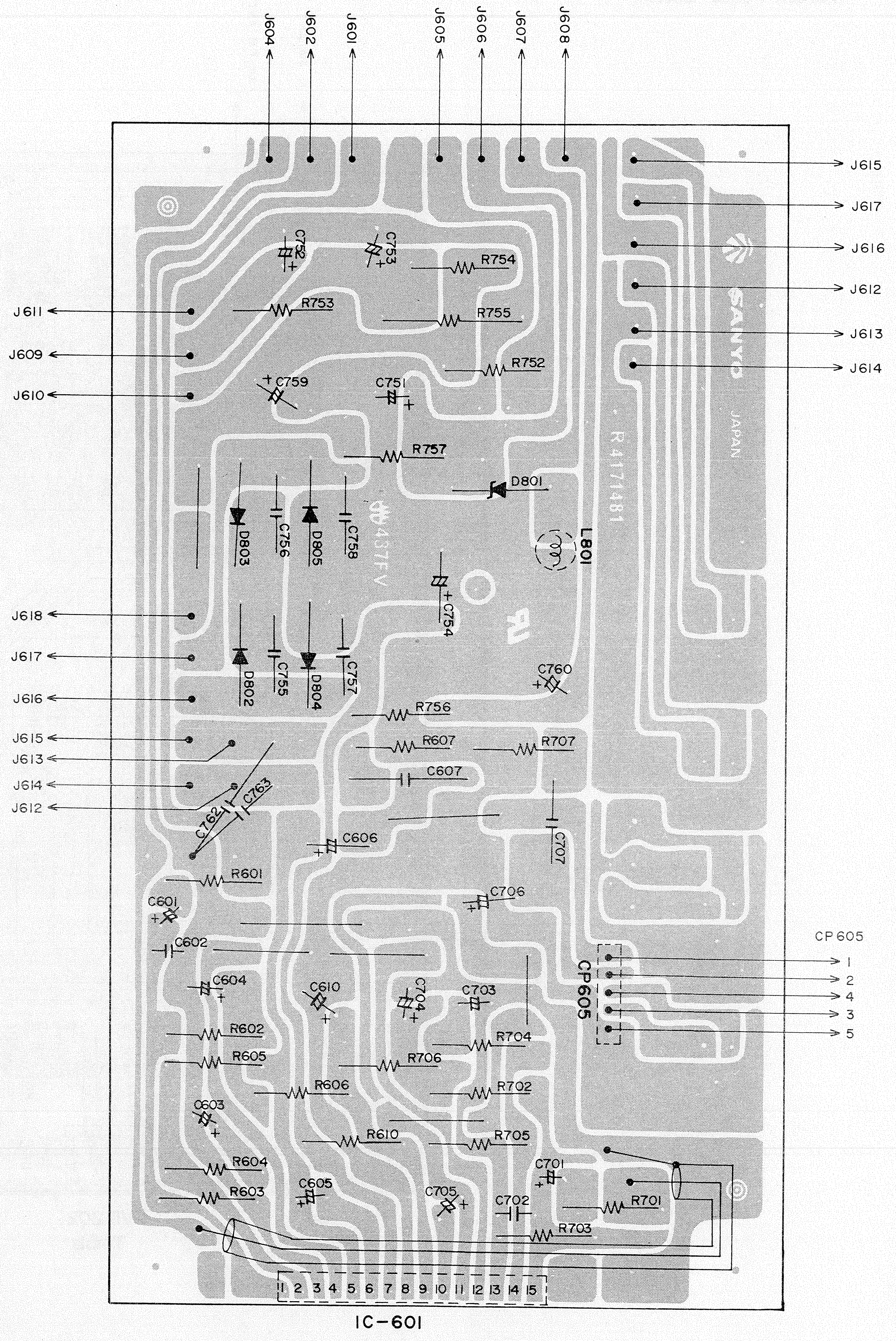
J408
J407
J410
J411
J409
J413
J412
Lch R/P Head
Rch R/P Head
E/Head
R4171480a
SANYO JAPAN

WIRING DIAGRAM

AMP P.C.B. Bottom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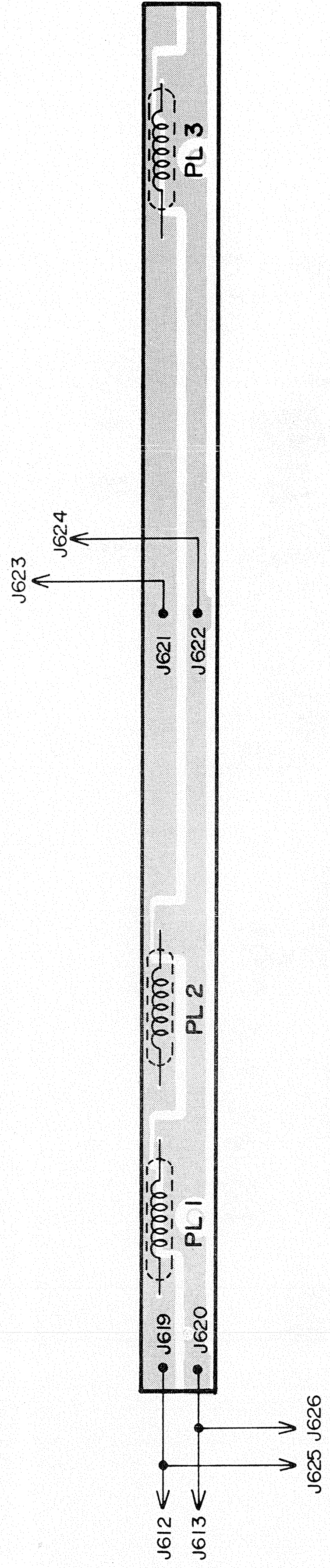
SANYO JAPAN

WIRING DIAGRAM

METER LAMP P.C.B. Bottom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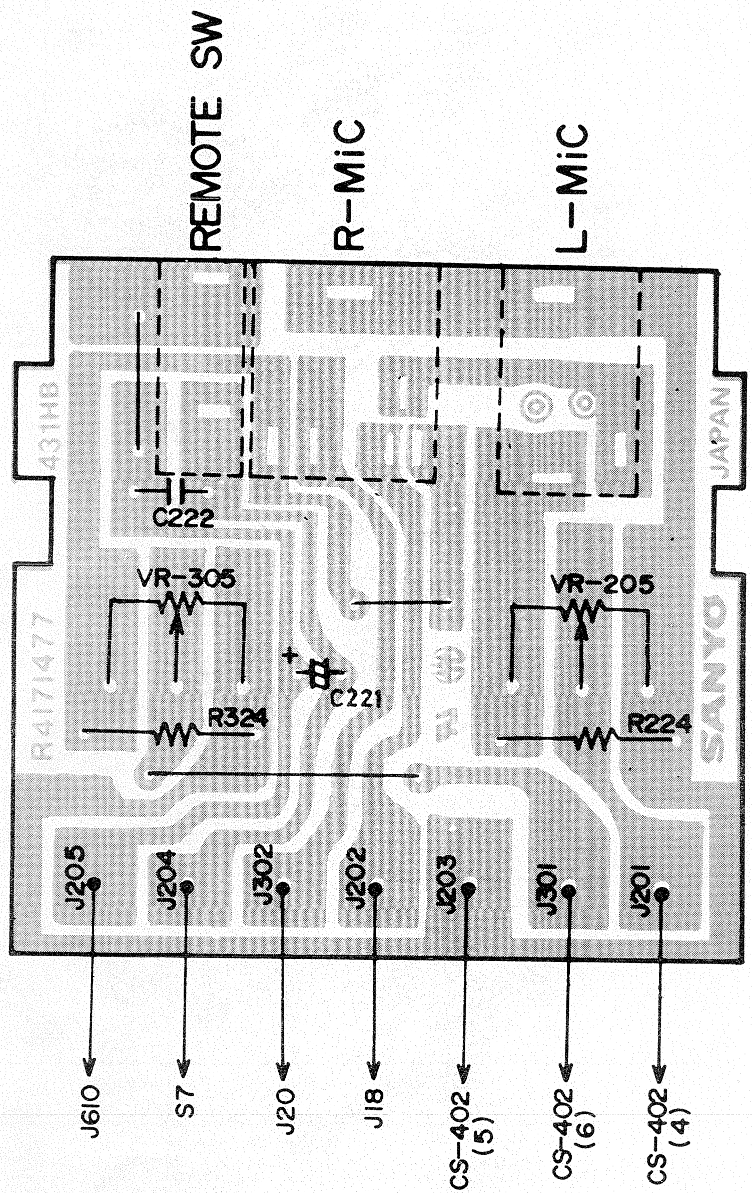
MIC AMP P.C.B. Bottom


REMOTE SW
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L-MiC
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R224
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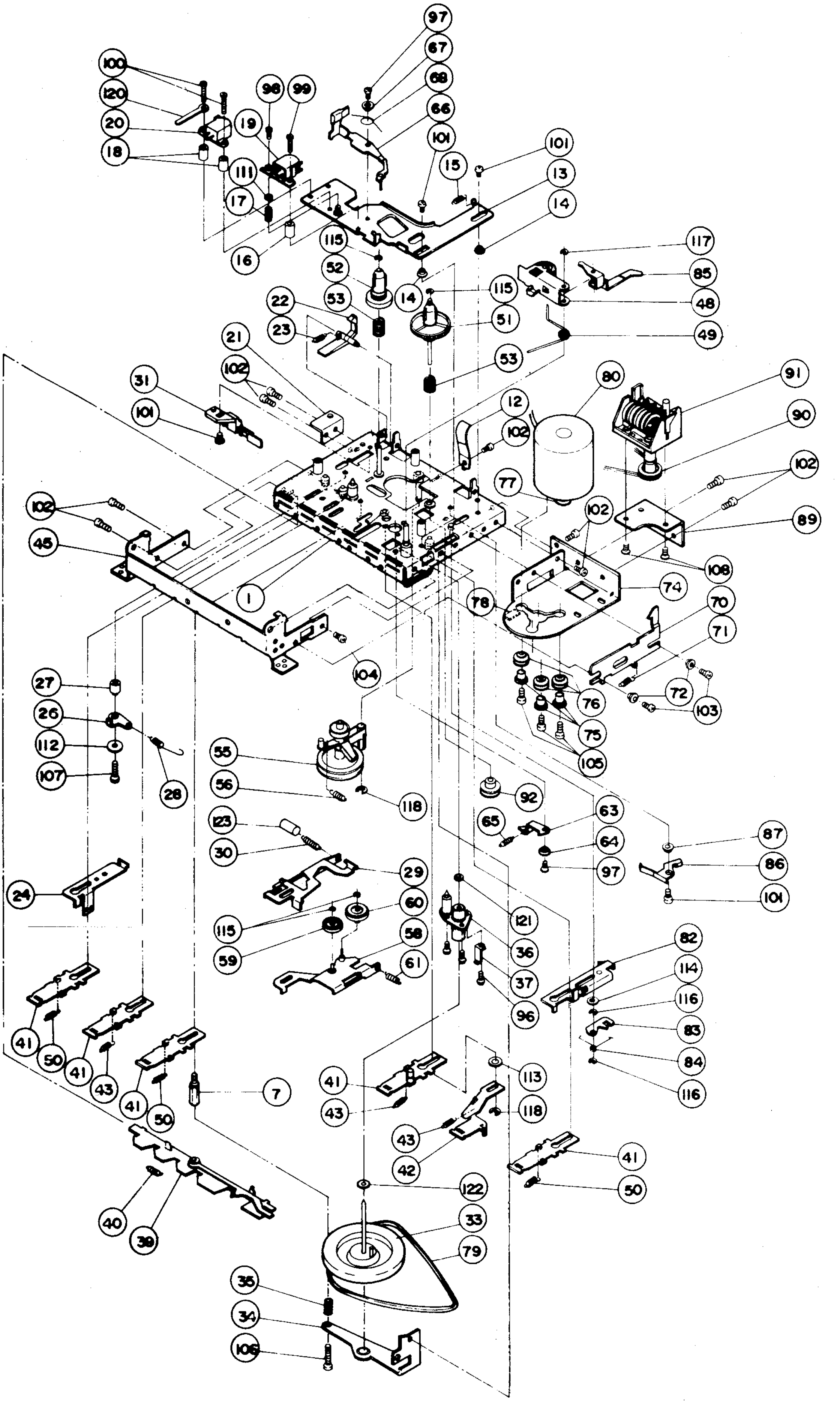
CS-402 (6)
CS-402 (4)

EXPLODED VIEW (CASSETTE MECHANISM)



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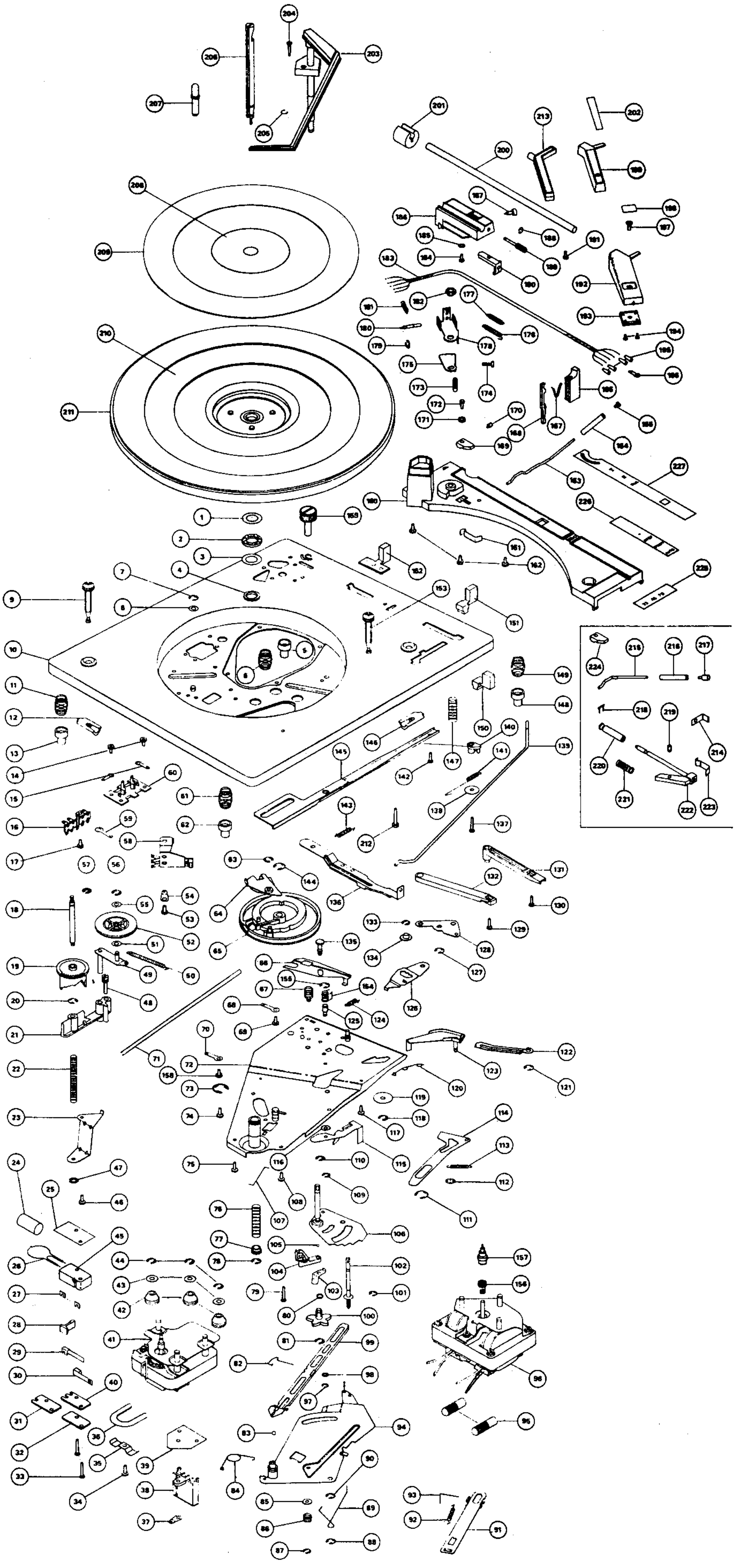
PARTS LIST (CASSETTE MECHANISM)

Key No.	PARTS No.	DESCRIPTION	Q'ty
CASSETTE MECHANISM (R-S97064)			
1	910 01 01A	Chassis assembly	1
7	910 01 03	Main shaft	1
12	959 01 02	Spring plate cassette pushout	1
13	910 02 81	Head panel	1
14	408 04 11	Bush, Head panel	2
15	630 04 03	Head panel spring	1
16	79 05 01	Bush R/P head	1
17	48 04 08	R.P.H. spring	1
18	663 04 02	Spacer erase head	2
19	R-S07256	Recording/Playing head	1
20	R-S07257	Erasing head	1
21	852 01 01	Side bracket	1
22	910 03 01	Safety Rec lever	1
23	268 12 01	Spring coil	1
24	910 03 02	Rec lever	1
26	910 08 01	RWD arm	1
27	910 08 02	Bush, RWD arm	1
28	910 08 05	RWD arm spring	1
29	910 08 04	Main plate	1
30	54 05 03	Main plate spring	1
31	630 14 01	Short switch	1
33	959 09 01	Flywheel capstan	1
34	910 09 91	Support flywheel assembly	1
35	48 04 08	Support flywheel	1
36	369 07 01	Shaft bracket flywheel	1
37	446 07 01	Earth plate	1
39	988 10 81	Push button lock lever	1
40	408 02 06	Push button lock lever spring	1
41	910 10 01	Push button lever	5
42	910 10 02	Stop lever	1
43	58 12 05	Push button lever spring A	3
45	959 10 04	Flame	1
48	715 07 81	Pinch roller	1
49	408 05 03	Pinch roller spring	1
50	1152 10 01	Push button lever spring D	3
51	988 04 91	Reel plate sub assembly	1
52	58 05 00A	Rewind reel plate assembly	1
53	04 05 08	Spring back tension	2
55	910 06 91	RWD idler assembly	1
56	43 11 03	RWD idler arm spring	1
58	910 07 81	F.F. idler arm	1
59	630 08 03	F.F. idler	1
60	257 07 03	Idler take up	1
61	408 15 10	F.F. idler arm spring	1
63	910 11 01	Auto lever	1
64	408 04 14	Bush auto lever	1
65	408 15 10	Auto lever spring	1
66	408 04 92	Sencer lever	1
67	408 04 14	Bush sencer lever	1
68	408 04 15	Sencer lever spring	1
70	959 12 01	Eject slide lever	1
71	959 12 02	Eject slide lever spring	1
72	763 07 06	Bush eject slide lever	2
74	959 13 01	Motor bracket	1
75	750 12 10	Spacer motor mounting	3
76	588 09 10	Motor rubber	3
77	716 12 03	Motor pulley	1
78	446 11 02	Felt	1
79	889 12 02	Main belt	1
80	EG510AD-TD	Motor	1
82	988 14 81	Pause slide lever	1
83	542 18 01	Pause lever	1
84	542 18 03	Pause lever spring	1
85	959 08 02	Arm lever	1
86	960 08 03	Spring plate	1

Key No.	PARTS No.	DESCRIPTION	Q'ty
CASSETTE MECHANISM (R-S97064)			
87	960 08 04	Bush spring plate	1
89	959 15 01	Counter bracket	1
90	189 10 03	Counter belt	1
91	MP390-133	Counter	1
92	16 15 04	Drive pulley	1
96		Tap. Screw, Pan Hd. with Washer, M2×5	3
97		Screw, Flat Hd., M2×5	2
98		Screw, Pan Hd., M2×6	1
99		Screw, Pan Hd., M2×11	1
100		Screw, Pan Hd., M2×12	2
101		Screw, Bind Hd., M2.6×4	4
102		Screw, Pan Hd., M2.6×4 S-tight	9
103		Screw, Pan Hd., M2.6×6 S-tight	2
104		Tap. Screw, Pan Hd. with Washer, M2.6×6	1
105		Screw, Pan Hd., M2.6×8	3
106		Screw, Pan Hd., M2.6×10	1
107		Tap. Screw, Pan Hd. with Washer, M2.6×12	1
108		Screw, Flat Hd., M3×5	2
111		Washer, Plane, M2	1
112		Washer, 2.6ϕ	1
113		Washer, 3ϕ	1
114		Washer, 2ϕ	1
115		E-ring, ϕ1.2	4
116		E-ring, ϕ1.5	2
117		E-ring, ϕ1.9	1
118		E-ring, ϕ2.5	2
120		Cord clamper	1
121		F Washer	1
122		Tough light Washer	1
123		Nylon tube, ϕ4.5×10	1

NOTES : 1. Part orders must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

EXPLODED VIEW (PLAYER MECHANISM)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PARTS LIST (PLAYER MECHANISM R-S57148)

Item	Part No	Description
1	A.101506	Thrust Washer
2	A.101649	Ballrace
3	A.101506	Thrust Washer
4	A.102058	Damping Washer
5	A.106089	Spring Cup
6	A.106090	Unit Mounting Spring
7	A.102109	Circlip
8	A.102595	Washer
9	A.104189	Transit Screw
10	B.108656	Mainplate Sub-Assembly
11	A.106090	Unit Mounting Spring
12	A.102166	Retaining Clip
13	A.106089	Spring Cup
14	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
15	A.102126	Solder Tag
16	A.106206	Tag Mounting Strip
17	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
18	A.108589	Raising Spindle
19	B.110364	Raising Cam
20	A.102109	Circlip
21	B.106021	Speed Change Arm
22	A.105831	Raising Spindle Spring
23	A.106034	Speed Change Bracket
24	A.107148	Insulating Sleeve
25	A.106015	Retaining Strip
26	A.106970	Capacitor
27	A.200446	Solder Tag
28	A.200450	Switch Dolly
29	A.200445	Flat Contact
30	A.200444	Domed Contact
31	A.108183	Switch Cover
32	A.108182	Switch Cover
33	A.107418	Screw Type BT 4-24 × 3/8" Rec. Pan Head
34	A.105263	Screw Type BT 6-20 × 3/8" Rec. Pan Head
35	A.102718	Cable Clamp
36	A.106513	3" — 5mm PVC Sleeving
37	A.106749	4 BA Tag Lockwasher
38	A.103096	'Amp' Plug Housing
39	A.104865	Insulating Strip
40	A.108184	Switch Cover
41	R-S57147	Two Pole Motor Assembly
42	A.102181	Rubber Mounting
43	A.101646	Motor Mounting Washer
44	A.100762	Circlip
45	B.108181	Switch Body
46	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
47	A.102128	Circlip
48	A.105619	Adjusting Screw
49	A.105965	Jockey Arm Riveting Assembly
50	A.105824	Jockey Pulley Spring
51	A.101620	Jockey Pulley Spindle Washer
52	A.101623	Jockey Pulley Assembly
53	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
54	A.106749	4 BA Tag Lockwasher
55	A.101620	Jockey Pulley Spindle Washer
56	A.100762	Circlip
57	A.102128	Circlip
58	A.107086	Muting Switch Assembly
59	A.102126	Solder Tag
60	A.102616	Phono Socket
61	A.106090	Unit Mounting Spring
62	A.106089	Spring Cup
63	A.100762	Circlip
64	A.106819	Actuating Pawl Assembly
65	A.102133	Cam Gear Riveting Assembly
66	A.108034	Cut-Off Slide
67	A.108083	Cut-Off Slide Spring
68	A.102126	Solder Tag
69	A.110609	Screw No. 8 × 1/2" Hi-Lo Rec. Pan Head
70	A.102126	Solder Tag
71	A.108401	7" — 3mm PVC Sleeving
72	C.108104	Main Sub Plate Riveting Assembly
73	A.105678	Circlip
74	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
75	A.106510	Screw Type No. 6 × 1/4" Rec. Pan Head
76	A.110985	Control Spindle Spring
77	A.104861	Spacer
78	A.102109	Circlip
79	A.106512	Screw Type BT 4-24 × 3/8" Rec. Pan Head
80	A.108654	Spring Clip
81	A.100762	Circlip
82	A.105901	Actuating Slide Spring
83	A.107419	Ball Bearing 3/16" Diameter
84	A.106980	Operating Plate Spring
85	A.103290	Washer
86	A.108077	Spring
87	A.100785	Circlip
88	A.102109	Circlip
89	A.108078	Selector Drive Spring
90	A.102109	Circlip
91	B.105597	Feed Lever Link
92	A.105827	Link Return Spring
93	A.106968	Feed Lever Link Spring
94	B.108168	Operating Plate Assembly
95	A.105472	'Screw-On' Connector
97	A.104077	Circlip
98	A.106966	Washer
99	B.106962	Actuating Slide
100	B.108073	Toggle Wheel
101	A.108334	Circlip
102	A.106697	Pick-Up Raising Spindle Assembly
103	A.107004	Support Spring
104	A.106965	Support Bracket
105	A.107154	Ball Bearing 3/32" Diameter
106	B.108085	Quadrant Assembly
107	A.104882	Retaining Clip
108	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
109	A.100785	Circlip
110	A.102128	Circlip
111	A.101526	Circlip
112	A.102251	Retainer
113	A.102623	Cut-Off Lever Spring
114	B.105592	Cut-Off Lever
115	B.108036	Selector Lever
116	A.108893	Washer
117	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
118	A.100762	Circlip
119	A.105660	Control Washer
120	A.106627	Detent Spring
121	A.102109	Circlip
122	A.106134	Reject Link
123	A.108283	Reject Lever Assembly
124	A.108075	Detent Plate Spring
125	A.108894	Selector Pivot
126	A.108033	Detent Plate
127	A.102109	Circlip
128	A.106193	Reject Plate Assembly
129	A.105267	Screw Type BT 4-24 × 5/16" Rec. Pan Head
130	A.105267	Screw Type BT 4-24 × 5/16" Rec. Pan Head
131	B.106119	Reject Slide
132	B.106143	Selector Slide
133	A.100785	Circlip
134	A.108461	Roller
135	A.108064	Slide Pin
136	A.106129	Switch Lever
137	A.107863	Screw Type BT 4-24 × 5/16" Rec. Pan Head
138	A.106816	Washer
139	B.106405	Switch Link
140	B.106815	Spring Anchor
141	A.106812	Anti-Skate Spring
142	A.105267	Screw Type BT 4-24 × 5/16" Rec. Pan Head
143	A.105826	Switch Lever Spring
144	A.102110	Circlip
145	B.108113	Speed Change Slide Assembly
146	A.102166	Retaining Clip
147	A.106813	Anti-Skate Control Spring
148	A.106089	Spring Cup
149	A.106090	Unit Mounting Spring
150	B.106122	Knob
151	B.106122	Knob
152	B.110426	Selector Knob
153	A.104189	Transit Screw
154	A.108891	Selector Pivot Spring
155	A.102109	Circlip
156	A.104765	Drive Spring
157	B.110487	50c Motor Pulley
157	B.110488	60c Motor Pulley
158	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
159	B.108629	Anti-Skate Control
160	D.111169	Escutcheon
161	A.108410	Spring
162	A.106510	Screw Type B No. 6 × 1/4" Rec. Pan Head
163	A.110451	Raising Arm
164	A.110381	Knob
165	A.110408	Cap
166	A.106663	Pick-Up Rest
167	A.106173	Pick-Up Spring
168	A.106664	Pick-Up Clip
169	A.110454	Raising Pad
170	A.106505	Grub Screw 6 BA × 1/8" pointed
171	A.105907	Nut
172	A.105712	Adjusting Screw
173	A.106047	Locking Sleeve
174	A.106917	Screw Type 6 BA × 3/8" Sltd. Cheese Head
175	A.106654	Pick-Up Adjuster
176	A.200510	Pick-Up Balance Spring
177	A.105669	Pick-Up Balance Spring
178	A.108384	Hinge Bracket Riveting Assembly
179	A.106205	Circlip
180	A.108381	Pick-Up Pivot
181	A.108382	Hinge Retainer Spring
182	A.105624	Pick-Up Spindle Nut
183	A.106745	20" — Quin Pick-Up Lead
184	A.109551	Screw Type A No. 4 × 1/4" Rec. Pan Head
185	A.106504	6 BA External Lockwasher
186	A.110574	Pick-Up Body Sub Assembly
187	A.106652	Pick-Up Pivot Screw
188	A.108348	Circlip
189	A.108344	Balance Adjusting Screw
190	B.110417	Balance Adjuster
191	A.109551	Screw Type A No. 4 × 1/4" Rec. Pan Head
192	C.110397	Pick-Up Head
193	A.106775	Adaptor Plate
194	A.106506	Screw Type B No. 2 × 1/8" Rec. Pan Head
195	A.104306	Sleeve
196	A.103587	Solder Tag
197	A.106573	Screw 6 BA × 3/16" Rec. Countersunk Head
198	A.110449	Pick-Up Head Trim
199	D.110872	Pick-Up Head
200	B.111172	Pick-Up Tube
201	B.111159	Counterweight
202	A.110864	Pick-Up Head Trim
203	B.111189	Control Arm Assembly
204	A.108827	Screw Type B No. 2 × 1/2" Rec. Countersunk Head
205	A.108841	Circlip
206	A.107043	Centre Spindle Assembly
207	A.108748	Stub Spindle
208	A.106024	Turntable Centre Disc
209	B.106139	Turntable Trim
210	C.109261	Turntable Mat
211	C.106194	Turntable Assembly
212	A.106507	Screw Type BT 6-20 × 3/4" Rec. Pan Head
213		'Custom Design' Head
214*	A.110908	Retainer
215*	A.108413	Raising Arm
216*	A.110381	Knob
217*	A.110407	Cap
218*	A.110895	Circlip
219*	A.108746	Adjusting Screw Assembly
220*	A.108408	Cylinder
221*	A.108415	Spring
222*	A.110423	Raising Slide Assembly
223*	A.108410	Spring
224*	A.110455	Raising Pad
225	A.111174	Speed Change Trim
226	A.111173	Control Trim
227	A.111176	Trim

Items marked thus * apply only when model is fitted with a Viscous cueing device.

Key No.	Ref. No.	PARTS No.	DESCRIPTION	Q'ty
		R—S07268	Cartridge assembly	1
		R—S07267	Stylus	1
			Screw, Flat Hd., 3×6 S-tight Cartridge mtg.	1
		R—4073977	Spacer	1

MODIFICATION NOTICE

SANYO

STEREO MUSIC SYSTEM

Chassis Nos.
Serial Nos.
Run Nos.
Date

GXT 4545K
GXL 4545HK
GXT 4545 (USA)
GXT 4545K(CANADA)
GXT 4545K(AUS)
GXL 4545KL(EUROPE)
GXT 4545K(PANAMA)
GXT 4545K-5(PANAMA)

Date Issued by

The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

	Section	Ref. No.	Part No.	Description	Q'ty	Reason
From	Chassis mechanism	66	R-3971833	Cassette case	1	C
To			R-3971833a	Cassette case	1	
From	Chassis mechanism	83	R-A72769	Cassette cover Assy	1	C
To			R-A73736	Cassette cover Assy	1	

Not interchangeable.

For distinguishing the new sets from the provious ones, following suffix will be stamped at end of their serial number.

GXT 4545K ---------------- P
GXL 4545HK ---------------- P
GXT 4545(USA) ---------------- R
GXT 4545K(CANADA) ------------- P
GXT 4545K(AUS) -------------- Q
GXL 4545KL(EUROPE) ------------ P
GXT 4545K(PANAMA) ------------- P
GXT 4545K-5(PANAMA) ----------- P

REASON FOR MODIFICATION

A ..... Standardization
B ..... Change of materials
C ..... Improvement of reliability
D ..... Improvement of performance
E .....

SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN

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